

QUICK REFERENCE GUIDE

for the

MODEL 618



Model 618



Model 618C



Model 618R

Note: This publication is provided for reference only. For complete operation instructions, refer to Operation Manual P/N 560-4016.



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HOW TO USE THIS GUIDE

[BUTTON] = PRESS

(S) = TURN ("S" IS SMALL KNOB - "L" IS LARGE KNOB)

INFORMATION = DISPLAYED INFORMATION

MODE OF OPERATION = ANNUNCIATORS ON RIGHT SIDE OF SCREEN
INDICATE WHAT TYPE OF INFORMATION IS
BEING DISPLAYED

NEED	ACTION
GRI SELECTION	<ol style="list-style-type: none">1. [MODE] to SETUP.2. [SEL], (S) to CORRECT LORAN CHAIN, then [ENT].3. (S) to "AUTO", then [ENT]. <p>(See Operation Manual for "Manual Secondary Selection")</p>
WAYPOINT SELECTION (from North American Database)	<ol style="list-style-type: none">1. [MODE] to WPT.2. (S) to "NORTH AMERICA", then [ENT].3. (S) to APT ID, City, VOR, etc., then [ENT].4. (S) to 1st CHARACTER, then [ENT]. <p>Repeat for each character. If you haven't used all of the spaces, [ENT] one last time.</p> <p>If searching by "city" and your choice doesn't come up first, then [SEL], [ENT].</p> <p>Repeat as needed to continue the search.</p> <ol style="list-style-type: none">5. (S) for INFORMATION.6a. [TO] or [FRM]. This puts your waypoint in the flightplan, and also copies it into the Pilot Copy Database. <p>- OR -</p> <ol style="list-style-type: none">6b. [ENT] to copy waypoint into the Pilot Copy Database without changing the flightplan.
FLYING FROM PRESENT POSITION - STORING PRESENT POSITION - CENTERING CDI	<ol style="list-style-type: none">1. [FRM] twice in one second. <p>This works anytime, in any mode, except when a waypoint is displayed</p> <p>Recall coordinates by locating "PPFR" identifier in "Pilot Copy" Database.</p>

ALL NAVIGATION INFORMATION

1. to **NAV**, **L** to all NAV pages.

POSITION COORDINATES

Use Step 1 above to find **POSITION** page.

EMERGENCY SEARCH

(for North America Database Airports Only)

1. **ENT** to **CLOSEST AIRPORT**.

(Press together) The NAV Indicator will flash.

S to scroll **INFORMATION**.

L to scroll **AIRPORTS** in distance order.

2a. **TO** or **FRM**. Skip step 3.

-OR-

2b. **ENT** to copy the waypoint into the Pilot Copy Database without changing the flightplan, then

EMERGENCY RESOLVED

3. **ENT** to EXIT SEARCH.

(Press together) The NAV indicator will stop flashing.

NEAREST WAYPOINT SEARCH

(APT's, VOR's, NDB's, Intersections, and Created Waypoints)

1. to **WPT**.

2. **S** to **NEAREST WAYPOINT**, **ENT**.

3. **S** to **DESIRED CATEGORY**, **ENT**.

S to scroll **INFORMATION**.

L to scroll **WAYPOINTS** in distance order.

4a. **TO** or **FRM**. Skip step 5.

-OR-

4b. **ENT** to copy the waypoint into the Pilot Copy Database without changing the flightplan, then

5. **MODE** to EXIT SEARCH.

AIRSPACE MANAGEMENT (Setup)

1. **MODE** to **SETUP**.
2. **L** to **ENT FOR AIRSPACE SETUP**, **ENT**.
3. **SEL**, **S** to **ON OR OFF**, **ENT**.
4. **S** to **DISTANCE BUFFER**.
5. **SEL**, **S** to **NUMBER OF MILES**, **ENT**.

Apollo Model 618's with optional Encoding Altimeter will have an altitude buffer also.

AIRSPACE ALERT

1. **AIRSP** flashes, **MODE** to **AIRSP**.
2. **ENT** to acknowledge alert (stops flashing). If **AIRSP** continues flashing, repeat this step for each airspace.
S to scroll **INFORMATION**.
L to scroll **AIRSPACES** in distance order.

(See Operation Manual to disable Airspace Alert feature).

CREATING A WAYPOINT (Pilot Created)

1. **MODE** to **WPT**.
2. **S** to **PILOT CREATED**, **ENT**.
- 3a. **L** LEFT to **ENT TO CREATE NEW WAYPOINT**.
- OR -
- 3b. **L** RIGHT to scroll through previously created waypoints.
4. **ENT**, **SEL**.

This tells the unit to skip "phantom waypoint" sequence and automatically use the present LAT/LON coordinates to create the waypoint.

(To change ID and/or Latitude and Longitude, continue on).

5. **S**, **ENT** repeat as needed.
- 6a. **TO** or **FRM**.
- OR-
- 6b. **ENT** to copy the waypoint into the Pilot Copy Database without changing the flightplan.

TO EDIT PREVIOUSLY CREATED WAYPOINT

1. Display waypoint using Steps 1 - 3b above then
2. **SEL**, **SEL**, **ENT**.
3. Execute Step 5 above.

FLIGHTPLAN

1. to **NAV**.
2. to Flightplan Page **"FR / TO / NEXT"**.
3. to start cursor flashing (on first line - "FR").
 - a. to scroll **IDENTIFIER** from Pilot Copy database.
 - b. to enter selected identifier and move cursor to next line.

Repeat steps 3a and 3b for each line as needed.

Note: When an **IDENTIFIER** is flashing, will show **INFORMATION** on that identifier. to scroll information, then again to return to Flightplan **"FR / TO / NEXT"** page.

NAV PLANNER

1. to **WPT**.
2. to **"PILOT COPY DATABASE"**, then .
3. to **"ENT FOR NAV PLANNER"**, then .

See Steps 3a, 3b, and "Note" from Flightplan instructions above.

QUICK DESTINATION INFORMATION

1. to **NAV**.
2. , to scroll **INFORMATION** on current destination.
3. to return to **NAV**.

OTHER FEATURES

APPLICATION

PILOT COPY DATABASE	A database section for up to 500 of the most commonly used waypoints (like a custom database). Works in conjunction with the Flightplan Page, NAV Planner, and V-NAV functions to eliminate "Waypoint Selection" process (see the first page of this guide).
FLIGHT-PLAN PAGE	Edit flightplan; obtain waypoint information; bearing and distance to flightplan waypoints.
NAV PLANNER	Information for flight planning; waypoint information; bearing and distance between database waypoints. Can assign 'TO' and "FROM" waypoints to flightplan page.
AUTO-NAV	Hands-off rotation of navigation displays. The pilot controls which pages are included, the order in which they appear, and how long each page is displayed.
V-NAV (Vertical Navigation)	Pilot can define a glideslope and V-NAV will display desired altitude.
ALTIMETER (Optional II Morrow Blind Encoder Input)	Provides altitude input to V-NAV and Airspace Alert functions. Allows front panel altitude display.
CUSTOM NAV PAGES	Pilot can customize navigation display pages as desired.
AUTOMATIC CDI SENSITIVITY	Automatically adjusts the CDI sensitivity depending on your distance off-course. Makes for a more useful CDI with hands-off adjustment, and better visual cueing to help keep you on course.